



# DEVOPS SEMINAR

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**Slug of the day:** `nsapoold03`



The whole day should be done on a new virtual machine.

## ex00 - Server machine

Create a new Debian 13 VM which does not have graphical interface.



You can NOT keep yesterday's machine.



download the autograder AMD64 or download the autograder ARM64 on the `vm-server` and use it from there.

## ex01 - Binaries required

For this day you need to install some binaries:

- ✓ curl
- ✓ symfony
- ✓ composer
- ✓ php >= 8.0
- ✓ node
- ✓ mariadb-server

These binaries can be called anywhere.



Check the versions.



environment variable

## ex02 - Web server

You must install apache2 and configure it.  
The apache server must answer on port 8080.

## ex03 - Database

Install the database provided.  
Root account for database must have the following password: Nm3ZaMg64

`mariadb-server` must be available from outside of the `vm-server`.



mysql\_secure\_installation

## ex04 - Configure database

Create a user for the database with the following features:

- ✓ user: `data-backend`
- ✓ rights: All on all databases
- ✓ password: `EwUrk9Q46`

## ex05 - Phpmyadmin

Install *phpmyadmin* in order to manage the database.

This panel must be available at [http://\[yourLocalIP\]:8080/phpmyadmin](http://[yourLocalIP]:8080/phpmyadmin)

## ex06 - Frontend

The provided frontend must be located in `/var/www/frontend`.

It must be available on port ~~8080~~ at [http://\[yourIP\]:8080/](http://[yourIP]:8080/).

v 1.4.2

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